

Amendments to the Claims:

1-6. (canceled)

7. (currently amended) A railway vehicle comprising:

a radius arm type truck including:

a base frame;

an axle box for supporting an axle;

a radius arm rotatably supported by the base frame at one end thereof and connected to the axle box at an opposite end thereof; and

a coil spring provided as a primary spring between an upper portion of the axle box and the base frame, wherein

the coil spring is formed by a nonlinear characteristic spring comprised of an elongate constant-diameter portion and tapered portions in a region of active coils of the coil spring, the elongate constant-diameter portion having a constant wire diameter, the tapered portions formed continuously with both ends of the constant-diameter portion and having a spring wire diameter that gradually decreases as it is closer to an end of a spring wire of the coil spring, the coil spring having a spring constant with an inflection point such that in which a smaller spring constant range corresponds to a smaller flexure range and a larger spring constant range corresponds to a larger flexure range,

and wherein the coil spring is configured such that the a smaller range of the a spring constant thereof corresponds to a range from an empty state to a common load state between the empty state and full passenger state of the vehicle.

8. (previously presented) The railway vehicle according to claim 7, wherein the common load state is a substantially fixed-number passenger state of the vehicle.

9. (newly added) The railway vehicle according to claim 7, further comprising:

a lower spring seat provided on the upper portion of the axle box with a first elastic member disposed between the lower spring seat and the axle box; and

an upper spring seat provided on the base frame with a second elastic member disposed between the upper spring seat and the base frame, wherein the coil spring is mounted between the upper spring seat and the lower spring seat.

10. (newly added) The railway vehicle according to claim 7, wherein the truck is constructed to run along a railroad provided with a third rail for power supply arranged in parallel with a rail for running, the railway vehicle further comprising:

a current collector attached to the base frame so as to come in elastic contact with the third rail.